



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Kawneer Company, Inc.  
555 Guthridge Court  
Norcross, GA 30092

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION:

Series "1630-SS-IR Wet Glazed Zone 4" 7<sup>13</sup>/<sub>16</sub>" Deep Aluminum Curtain Wall System – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. 1844, Series titled "7<sup>13</sup>/<sub>16</sub>" Deep 1630-SS-IR Wet Glazed Zone 4 LMI Curtain Wall", sheets 01 through 05 of 05, dated 12/12/12 with the latest revision dated 07/29/13, prepared by W. W. Schafer Engineering & Consulting, P. A., signed and sealed by Warren W. Schafer, P. E., bearing the Miami-Dade County Product Control Section Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon*  
8/1/13

NOA No. 13-0522.10  
Expiration Date: August 08, 2018  
Approval Date: August 08, 2013  
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1844**, Series titled "**7<sup>13</sup>/<sub>16</sub>" Deep 1630-SS-IR Wet Glazed Zone 4 LMI Curtain Wall**", sheets 01 through 05 of 05, dated 12/12/12 with the latest revision dated 07/29/13, prepared by W. W. Schafer Engineering & Consulting, P. A., signed and sealed by Warren W. Schafer, P. E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a curtain wall system, prepared by Architectural Testing, Inc., Test Report No. **ATI-C0439.01-550-18**, dated 04/11/13, signed and sealed by Vinu J. Abraham, P. E.
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a curtain wall system, prepared by Architectural Testing, Inc., Test Reports No.'s **ATI-C0439.02-550-18**, **ATI-C0439.03-550-18**, **ATI-C0439.04-550-18** and **ATI-C0439.09-550-18**, dated 04/11/13, all signed and sealed by Vinu J. Abraham, P. E.
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test, Level "E", per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a curtain wall system Impact Test, Level "E", prepared by Architectural Testing, Inc., Test Report No. **ATI-C0439.05-550-18**, dated 04/11/13, signed and sealed by Vinu J. Abraham, P. E.
4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test, Wind Zone "3", per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a curtain wall system, Impact Test, Wind Zone "3", prepared by Architectural Testing, Inc., Test Report No. **ATI-C0439.06-550-18**, dated 04/11/13, signed and sealed by Vinu J. Abraham, P. E.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 13-0522.10  
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**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by W. W. Schafer Engineering & Consulting, P. A., dated 12/18/12, signed and sealed by Warren W. Schafer, P. E.
2. **Glazing complies with ASTM E1300-04**

**D. QUALITY ASSURANCE**


1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
2. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
3. Notice of Acceptance No. **12-1231.08** issued to **Eastman Chemical Company (MA)** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 03/28/13, expiring on 12/11/18.
4. Notice of Acceptance No. **12-1231.10** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/28/13, expiring on 05/21/16.
5. Test Report No. **73703**, prepared by Excel Polymers, LLC, an A2LA accredited laboratory, dated 04/11/11, issued to Tremco, Inc. for TREMCO Part No. **TR-20494P** EPDM exterior glazing gasket complying with ASTM D573 70 HRS at 212°F, D412 1800 PSI, D395B 22 HRS at 158°F, D1149 100 HRS at 104°F passed, D325B passed and D2137 3-Minutes at -40°F passed.
6. Test Report No. **74326**, prepared by Excel Polymers, LLC, an A2LA accredited laboratory, dated 04/26/11, issued to Tremco, Inc. for TREMCO Part No. **TR-20087E** EPDM exterior glazing gasket complying with ASTM D573 70 HRS at 212°F, ASTM D412 1800 PSI, D395B 22 HRS at 158°F, D1149 100 HRS at 104°F passed, D325B passed and D2137 method A 3-Minutes at -40°F passed, D2240 durometer 70<sup>±5</sup> shore A, D624 tear die 200lbf/ in. and D925 migration stain passed.

**F. STATEMENTS**

1. Statement letter of conformance and complying with **FBC-2010**, issued by W. W. Schafer Engineering & Consulting, P. A., dated 12/12/12, signed and sealed by Warren W. Schafer, P. E.
2. Statement letter of no financial interest and independent, issued by W. W. Schafer Engineering & Consulting, P. A., dated 12/12/12, signed and sealed by Warren W. Schafer, P.E.

  
Jaime D. Gaseon, P. E.  
Product Control Section Supervisor  
NOA No. 13-0522.10  
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**F. STATEMENTS (CONTINUED)**

3. Laboratory compliance letters for Test Reports No.'s **ATI-C0439.01-550-18**, **ATI-C0439.02-550-18**, **ATI-C0439.03-550-18**, **ATI-C0439.04-550-18**, **ATI-C0439.05-550-18** and **ATI-C0439.09-550-18**, all issued by Architectural Testing, Inc., all dated 04/11/13, signed and sealed by Vinu J. Abraham, P. E.
4. Proposal No. **11-0217** issued by Product Control, dated June 15, 2012, signed by Jaime D. Gascon, P. E.

**G. OTHERS**

1. None.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
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### GENERAL NOTES:

1. THESE CURTAIN WALL SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT CURTAIN WALL SYSTEMS.
5. THESE CURTAIN WALL SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE CURTAIN WALL SYSTEMS.
7. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF  $K_d = 0.85$  MAY BE APPLIED PER THE ASCE-7 STANDARD.
8. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR  $C_d = 1.6$  WAS USED FOR WOOD SCREW ANALYSIS ONLY.
9. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
10. THERE SHALL BE NO LIMIT TO THE NUMBER OF HORIZONTAL & VERTICAL PANELS USED FOR ANY JOB PROVIDING ALL RESTRICTIONS ARE MET PER THE ELEVATIONS.

ALLOWABLE D.L.O.  
SIZE TABLE

GLASS OPTION	MAXIMUM D.L.O. WIDTH (IN.)	MAXIMUM D.L.O. HEIGHT (IN.)
1 & 2	48	93
	45	99
	42	106
	39	114
	36	124
	35	126
3 & 4	60	93
	54	103
	48	116
	45	124
	44	126

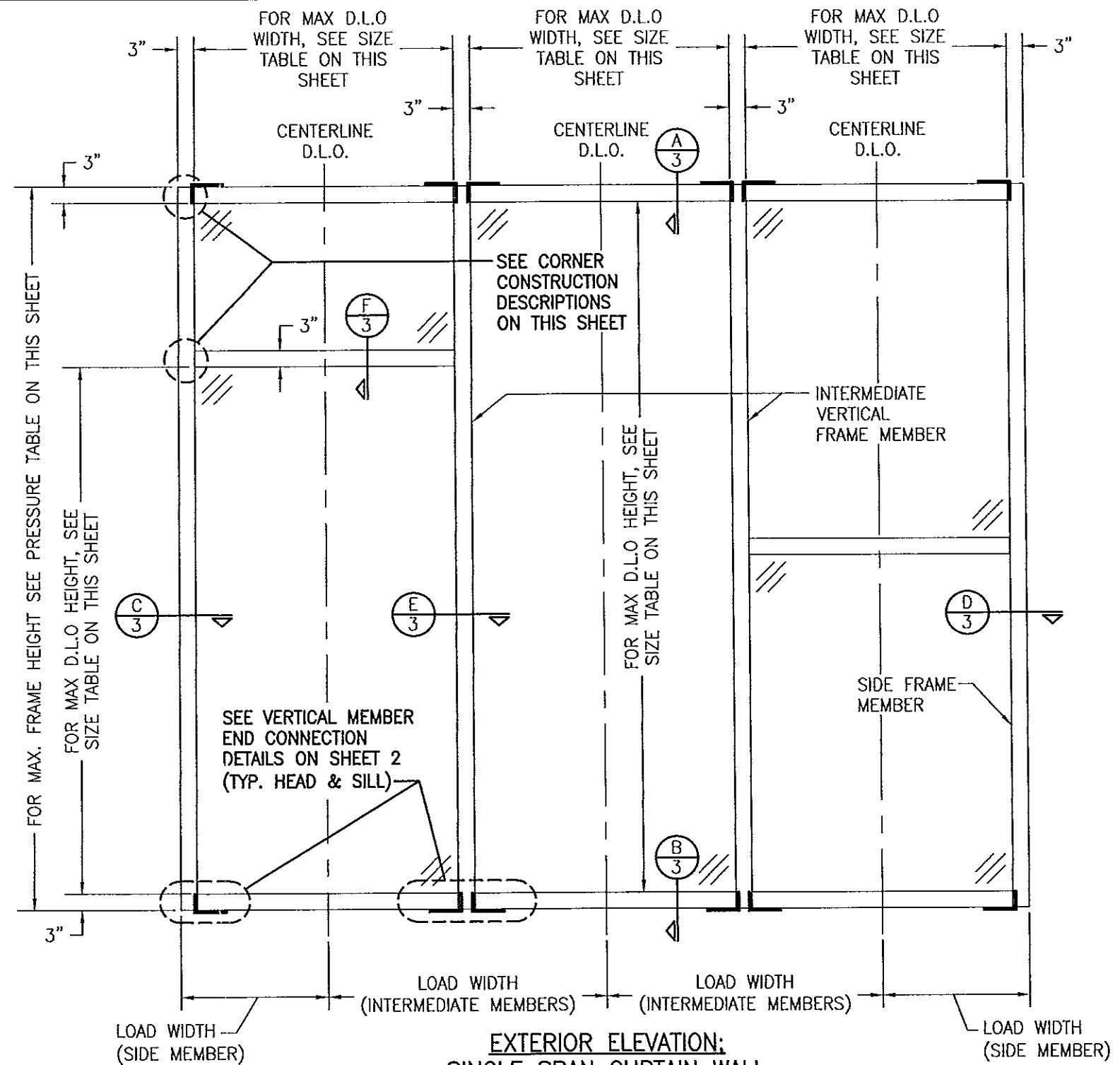
SEE GLAZING DETAIL ON SHEET  
4 FOR GLASS OPTIONS.

### CORNER CONSTRUCTION:

FRAMING AND INTERMEDIATE MEMBER  
ENDS: VERTICAL MEMBERS RUN  
THROUGH WHILE THE HORIZONTAL  
MEMBERS ARE SQUARE CUT, BUTTED  
AND MECHANICALLY FASTENED WITH NO.  
12 X 1" HWHTFS 300 SERIES S.S. (2  
PER HEAD & SILL FRAMING; 4 PER  
INTERMEDIATE HORIZONTAL). HORIZONTAL  
MEMBER ENDS ARE SEALED WITH DOW  
795 SILICONE SEALANT.

ALLOWABLE DESIGN PRESSURE

SIDE FRAME MEMBER			INTERMEDIATE FRAME MEMBER		
MAXIMUM FRAME HEIGHT (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)	MAXIMUM FRAME HEIGHT (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)
132	33	57.3	132	63	56.7
	30	63.0		57	62.6
	27	70.0		51	70.0
126	33	60.0	126	63	59.4
	30	66.0		57	65.6
	28	70.0		53	70.0
120	33	63.0	120	63	62.3
	30	69.3		57	68.9
	29	70.0		56	70.0
114	33	66.3	114	63	65.6
	31	70.0		59	70.0
108	33	70.0	108	63	69.3



### EXTERIOR ELEVATION: SINGLE SPAN CURTAIN WALL

SCALE: 1/2" = 1'-0"

### UNIT NOTES:

1. HORIZONTAL STACKING & OVERALL UNIT WIDTH IS UNLIMITED PROVIDING INDIVIDUAL D.L.O.'S DO NOT EXCEED THAT SPECIFIED IN THE D.L.O. SIZE TABLE.
2. NUMBER OF GLASS PANELS STACKED VERTICALLY WITHIN IN ONE BAY IS UNLIMITED PROVIDING THE OVERALL FRAME HEIGHT DOES NOT EXCEED THAT SHOWN IN THE ALLOWABLE DESIGN PRESSURE TABLE.
3. GLASS PANELS MAY BE FULL HEIGHT OF UNIT OR BE SPLIT WITH INTERMEDIATE HORIZONTAL FRAMING PROVIDING D.L.O. OF EACH GLASS PANEL DOES NOT EXCEED THAT SPECIFIED IN THE D.L.O. SIZE TABLE.

Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOAH 13-052210  
Miami Dade Product Control

By

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT  
SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY  
AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY  
THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL  
OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER  
STATED ON THESE DRAWINGS.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 12/12/12
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE 7 13/16" DEEP 1630-SS-IR WET GLAZED ZONE 4 LMI CURTAIN WALL	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	JOB INFORMATION: KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555
CERTIFICATION JUL 29 2013 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1844 SHEET NO. 1 OF 5



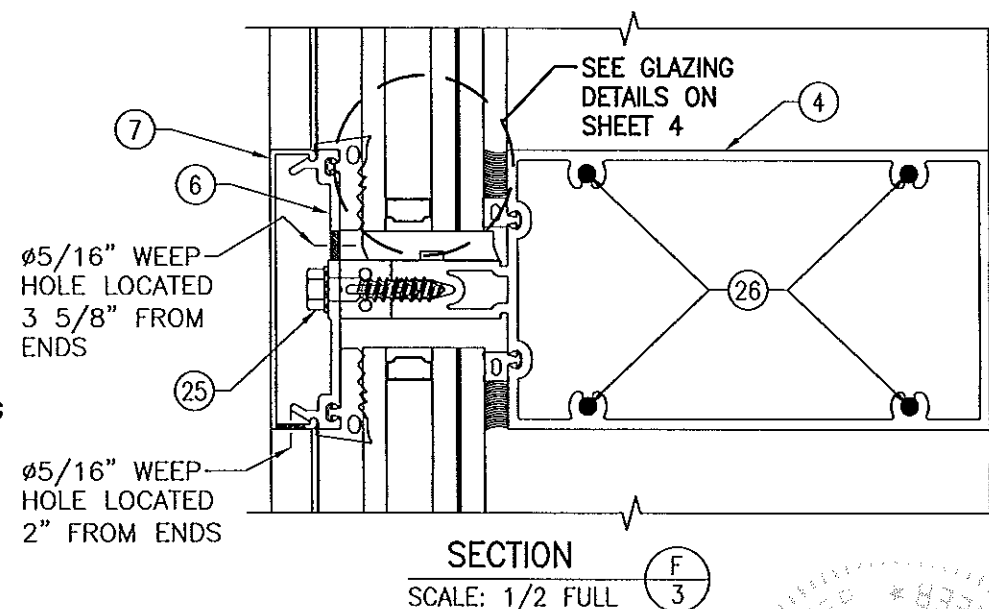
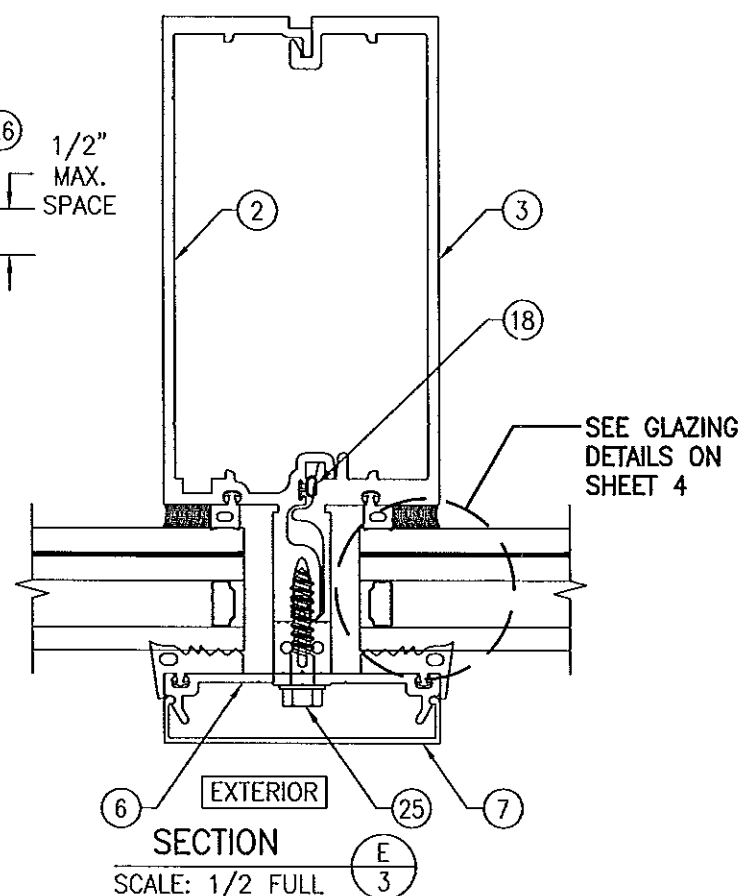
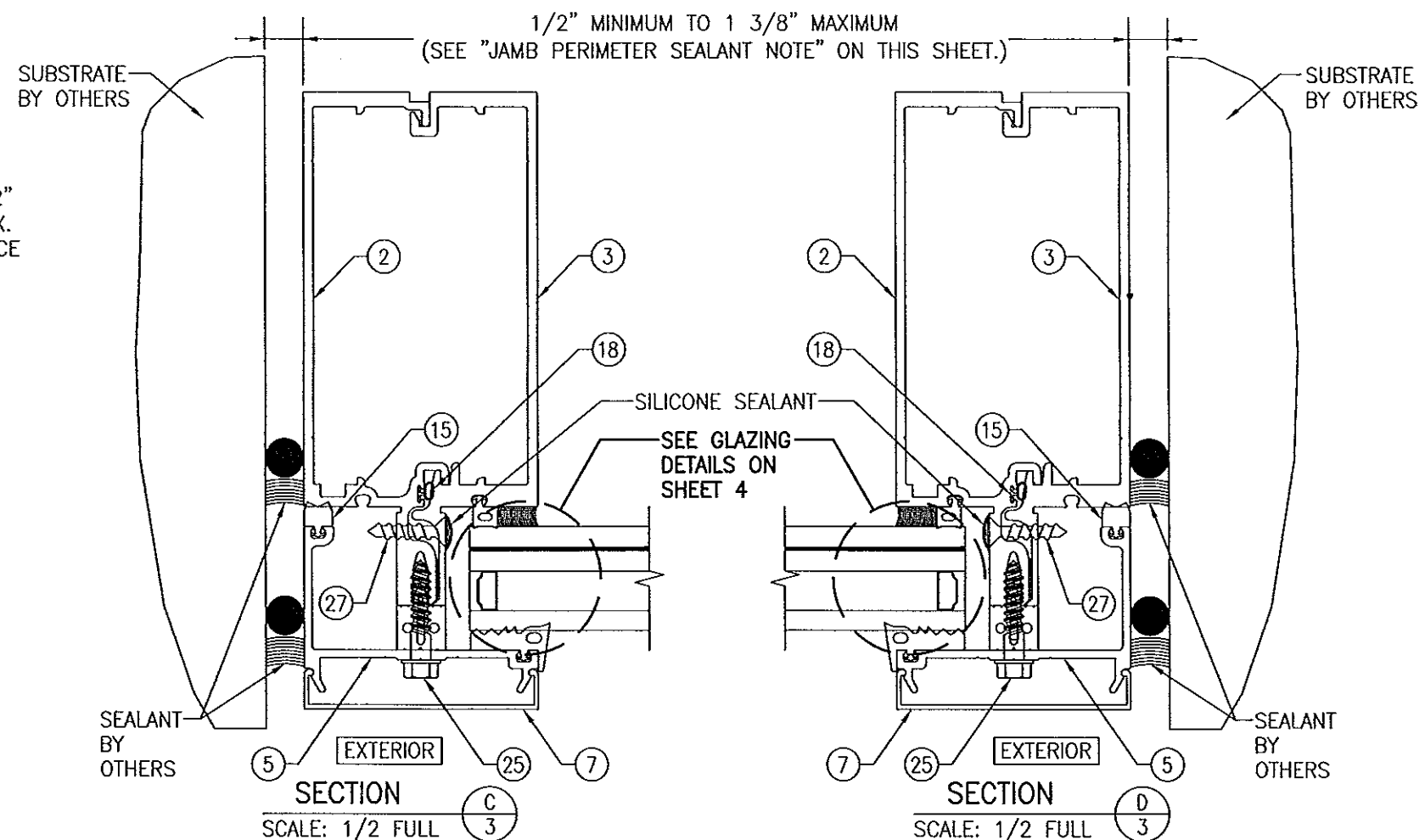
SECTION A  
3  
SCALE: 1/2" = 1' FULL

SECTION B  
3

SCALE: 1/2" = 1' FULL

**JAMB PERIMETER SEALANT NOTE:**

THE MINIMUM & MAXIMUM ALLOWABLE SPACE BETWEEN JAMB FRAME MEMBERS & THE OPENING SUBSTRATE OR FINISHES SHALL BE SPECIFIED BY THE ENGINEER OR ARCHITECT OF RECORD FOR EACH JOB BUT SHALL NOT BE LESS THAN 1/2" NOR GREATER THAN 1 3/8". WHEN CONSIDERING TYPE, DEPTH & JOINT SPAN OF SEALANT, THE ENGINEER/ARCHITECT SHALL TAKE INTO CONSIDERATION THE DEFLECTION OF THE JAMB MEMBER THAT WOULD OCCUR WHILE SUPPORTING THE JOB REQUIRED DESIGN WIND PRESSURE. ALSO TO BE CONSIDERED SHALL BE THE MATERIALS & SURFACES TO WHICH THE SEALANT WILL BE APPLIED.



Approved as complying with the  
Florida Building Code  
Date 08/28/2013  
NOA# 13-0522-10  
Miami Code Product Control

By James M. Smith

[illegible]

DRAWING TITLE 7 13/16" DEEP 1630-SS-IR WET GLAZED  
ZONE 4 LMI CURTAIN WALL

**KAWNEER COMPANY, INC.**  
555 GUTHRIDGE COURT  
NORCROSS, GA 30092  
770-449-5555

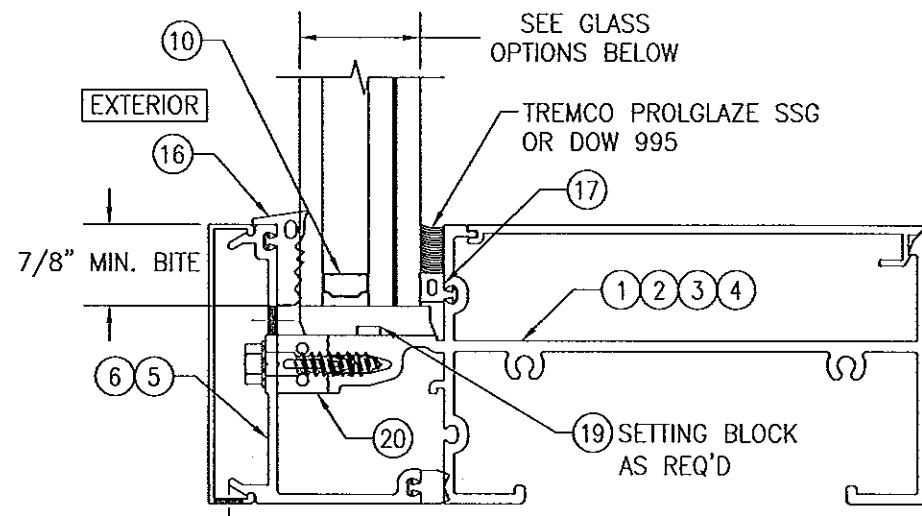
**CONSULTANTS**  
**W. W. SCHAEFER ENGINEERING**  
**& CONSULTING, P.A. (CA 6809)**

CONSULTING, P.A. (CA 8  
7480 150TH COURT NORTH  
PALM BEACH GARDENS, FL 33418  
PHONE: 561-744-1424

~~WARREN W. SCHAEFER, P.E.~~

29713

DRAWING NO.	REV
1844	
SHEET NO.	
3	OF 5



### TYPICAL WET GLAZING DETAIL

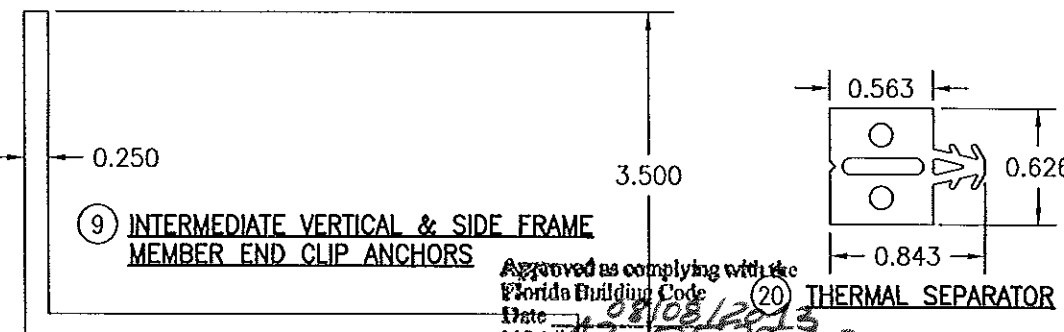
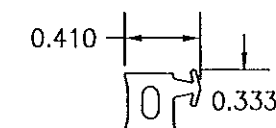
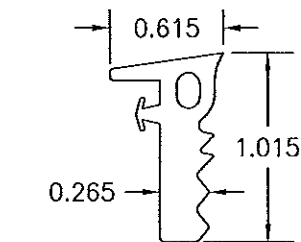
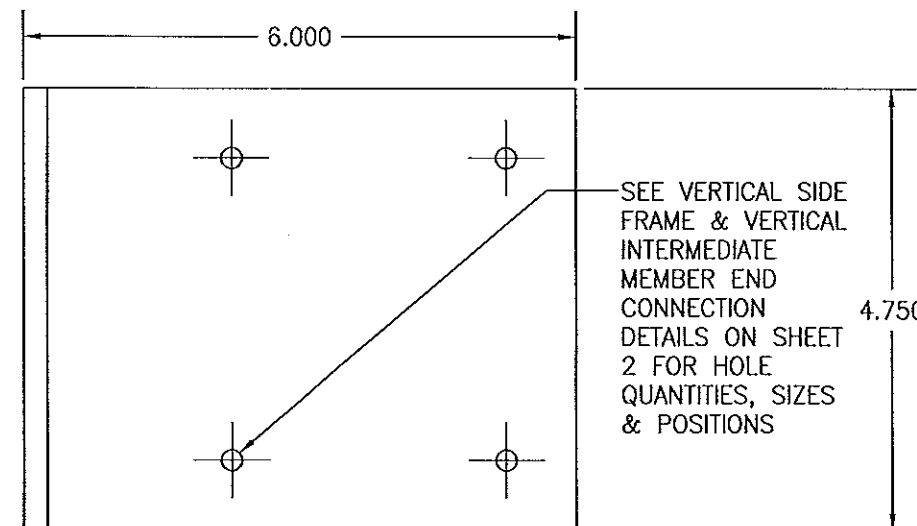
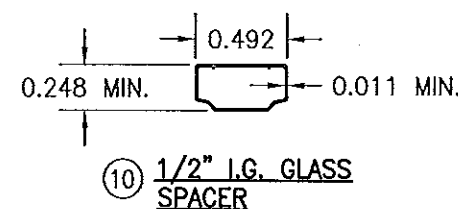
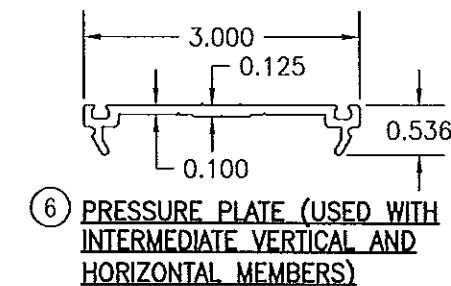
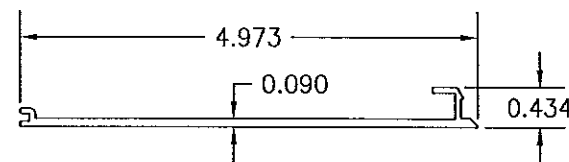
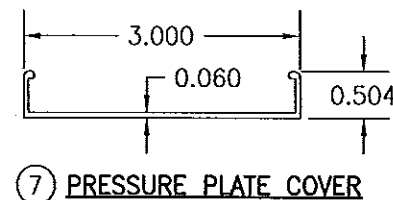
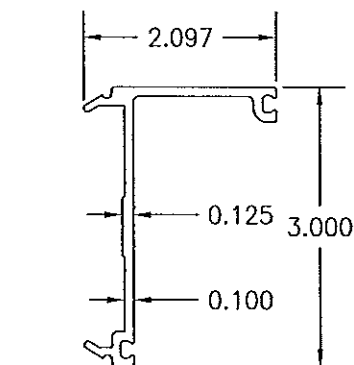
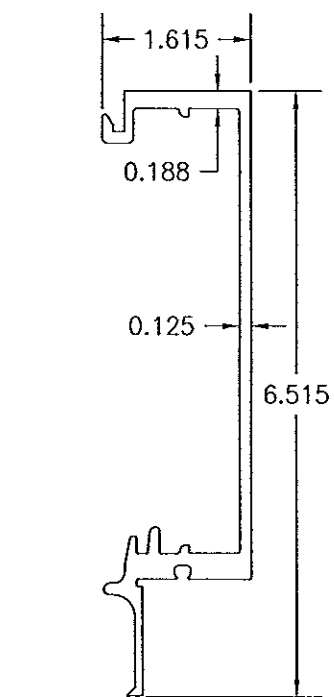
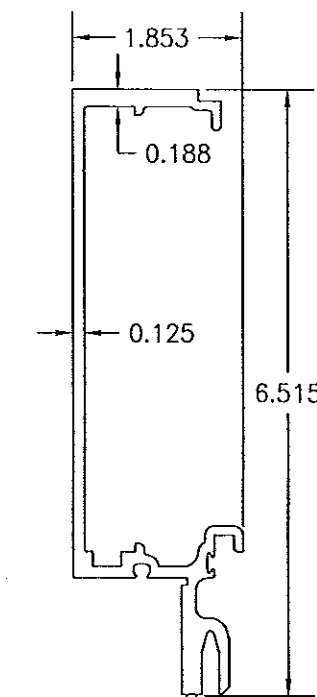
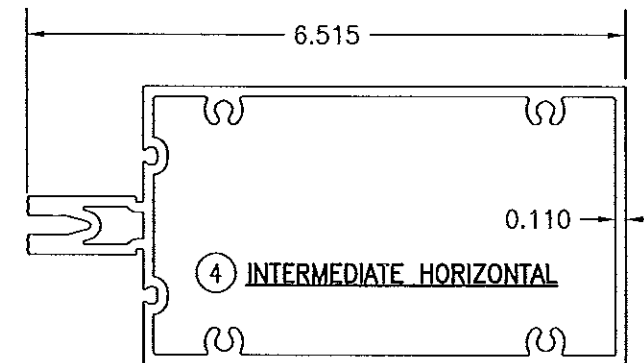
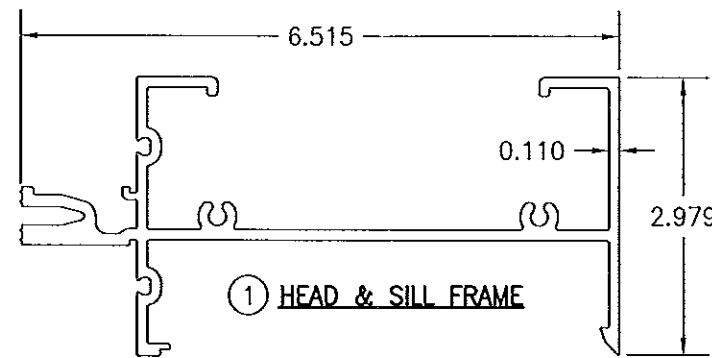
#### GLASS OPTIONS:

OPTION 1: 1 5/16" THICK I.G. LAMINATED GLASS (1/4" TEMP. EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./MIN. 0.090" EASTMAN CHEMICAL CO. SAFLEX/1/4" HT. ST. INTERIOR)

OPTION 2: 1 5/16" THICK I.G. LAMINATED GLASS (1/4" TEMP. EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./MIN. 0.090" DUPONT BUTACITE PVB/1/4" HT. ST. INTERIOR)

OPTION 3: 1 5/16" THICK I.G. LAMINATED GLASS (1/4" TEMP. EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./MIN. 0.090" DUPONT SG/1/4" HT. ST. INTERIOR)

OPTION 4: 1 5/16" THICK I.G. LAMINATED GLASS (1/4" TEMP. EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./MIN. 0.090" EASTMAN CHEMICAL CO. SAFLEX CP/1/4" HT. ST. INTERIOR)



Approved as complying with the  
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Date 08/08/2013  
NOA/13-0522-10  
Miami Dade Product Control

By *[Signature]*

DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	12/12/12
NO.	REVISION	DESCRIPTION	DATE

DRAWING TITLE	7 13/16" DEEP 1630-SS-IR WET GLAZED ZONE 4 LMI CURTAIN WALL
MANUFACTURER	KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555
CONSULTANTS	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424

CERTIFICATION	JUL 29 2013	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	1844	REV.
SHEET NO.	4	OF 5



